

FIG. 1

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG ~~GGA~~ TCC
BamHI

GGG CAG GTA AGT ATC AAG GTT ACA AGA CAA


GCT TAC ATA TA TG GFP 

FIG. 2

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG GGA TCA

PacI

BamHI

AscI

TTA ATT AAC GGA TCC GGG CGC GCC GCT GCA


GCT CAA GCT TAC ATG CG GFP 

FIG. 3

GGT GCA GAT CTT GGA TCT CGT CCC GCG AAA

T7 Promoter

TTA ATA CGA CTC ACT ATA GGG AGA CCA CAA

CGG TTT CCC TCT AGA AAT AAT TTT GTT TCA

Shine-Dalgarno

Initiation codon

CTT CAA GAA GGA GAT ATA CAT ATG GGA TCA

PacI

NarI

AscI

TTA ATT AAC GGC GCC GGG CGC GCC GCT GCA


GCT CAA GCT TAC ATG CG GFP 

FIG. 4

GORF AND STORF DISTRIBUTIONS OF PLASMODIUM FALCIPARUM (CHR II & III)

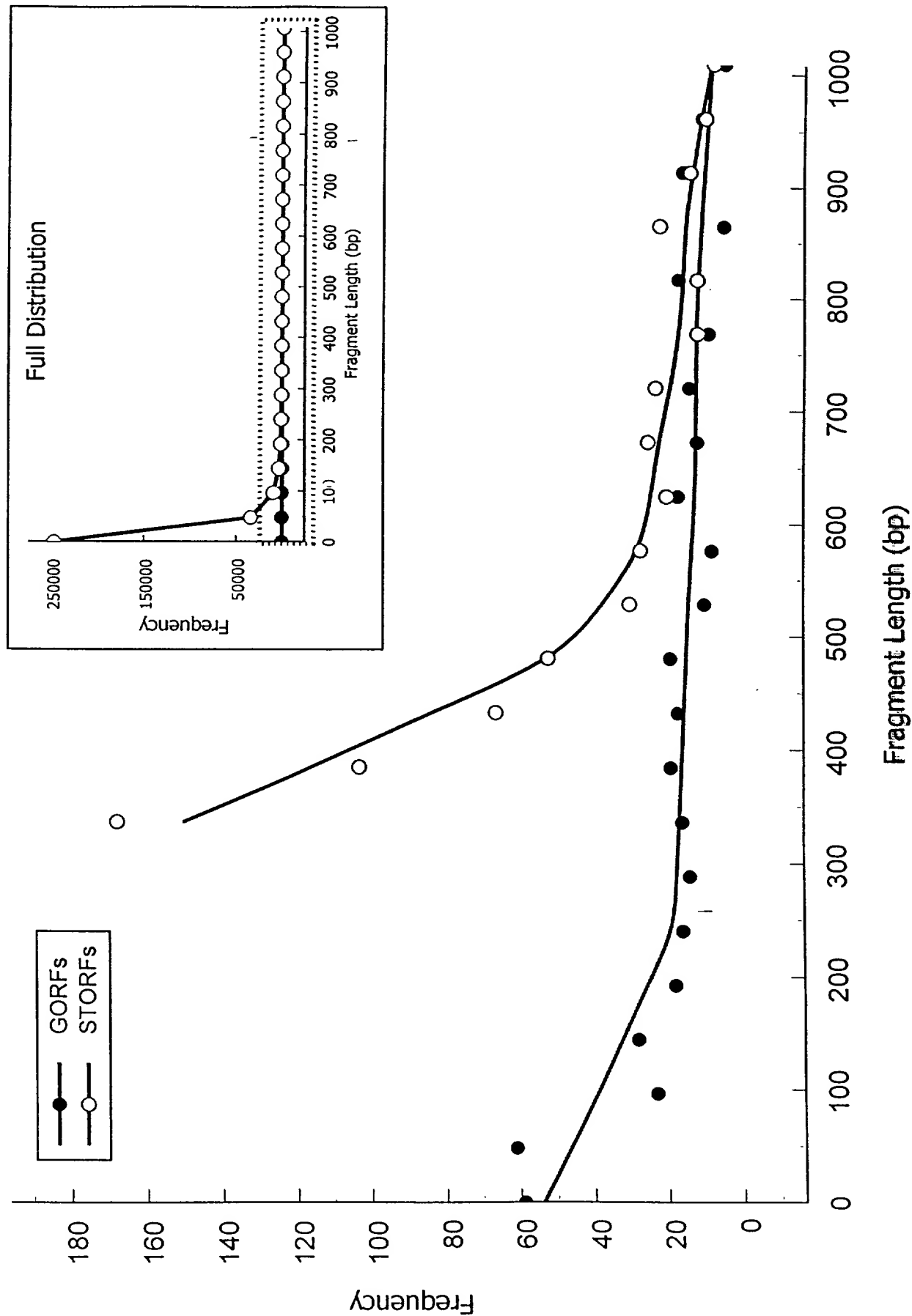


FIG. 5

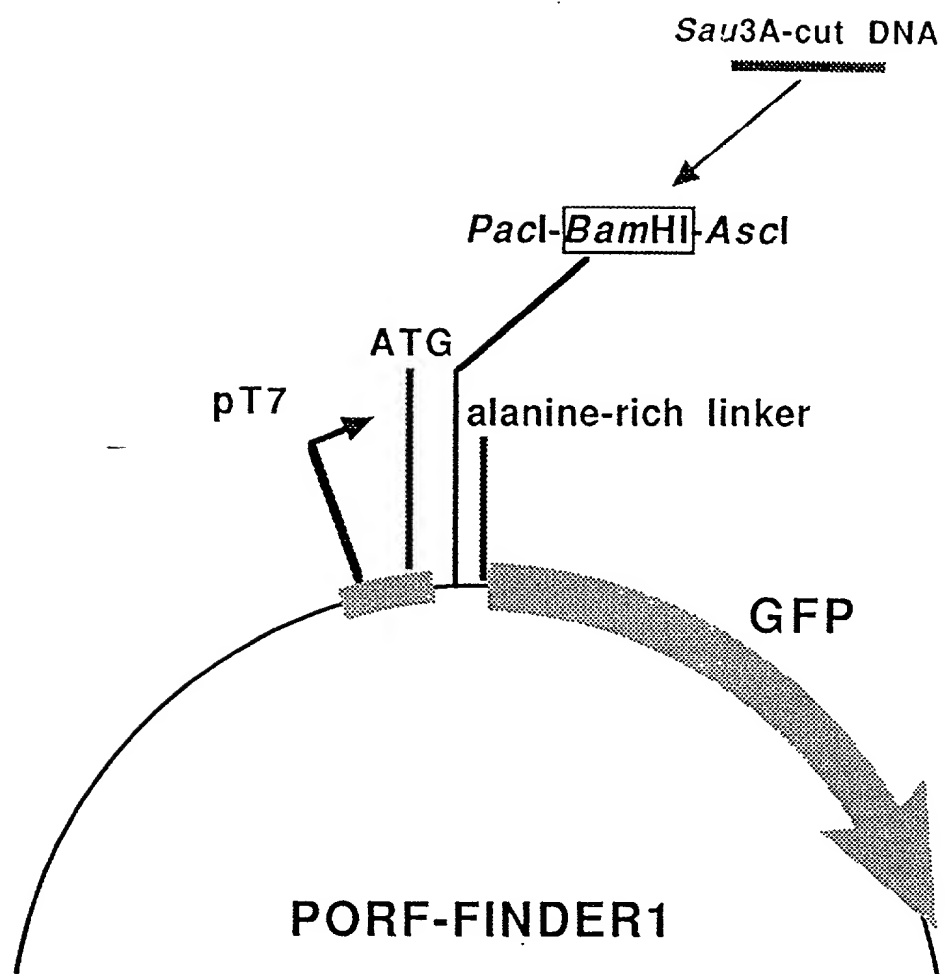


FIG. 6

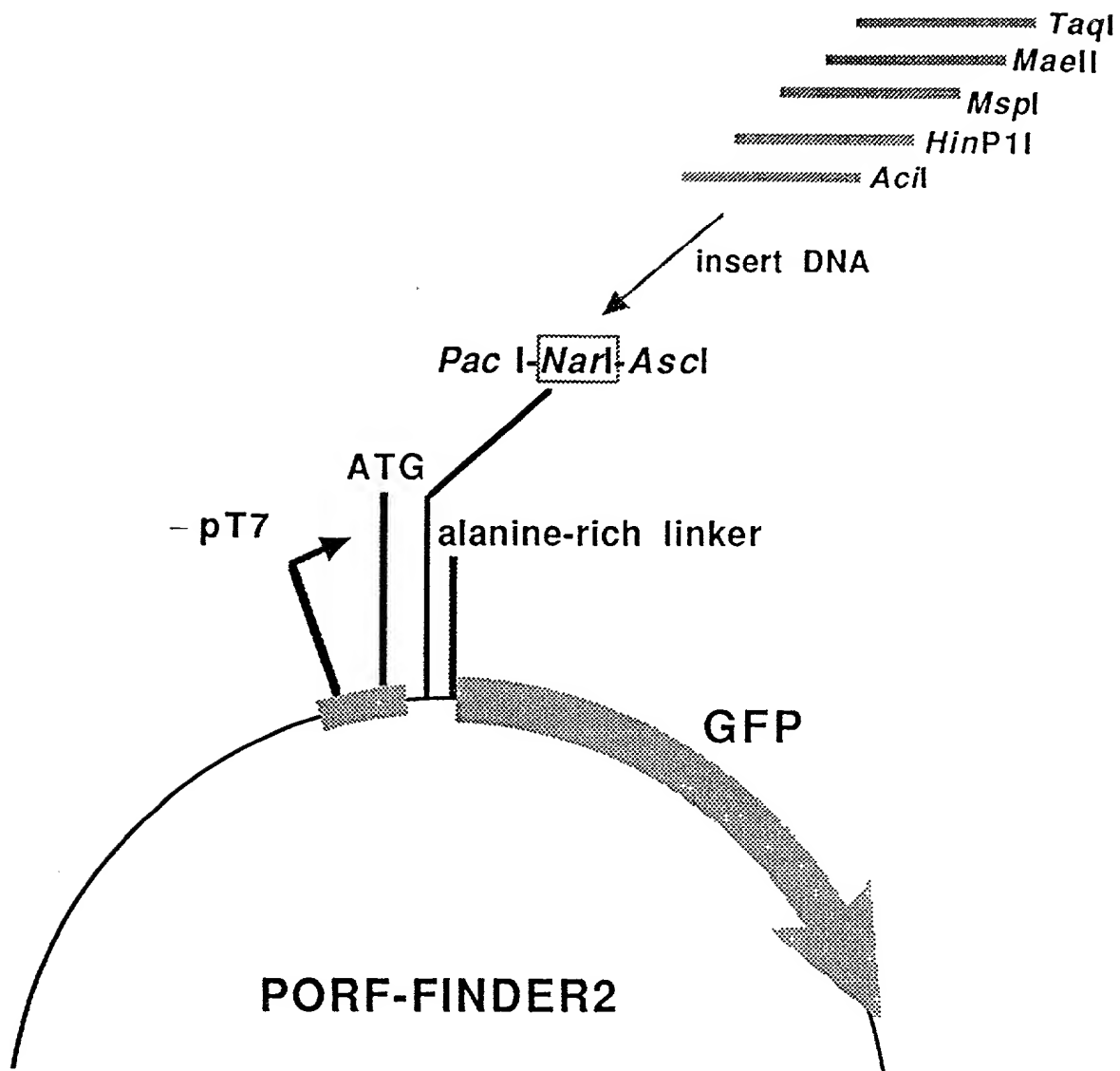


FIG. 7

Transform *N. crassa* to OFF-FINDER
libraries into *E. coli*

Spread onto heavy duty plates (• IPT 0)
(approx. 1000 cfs per plate)



Pick fluorescent green colonies into 96-well plates (4PTG).

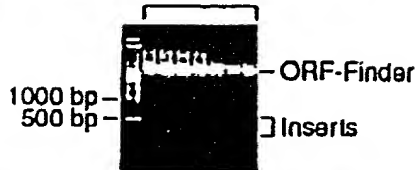


Stamp onto large round plate (-IPTG)



Scrape cells and carry out DNA mini-preps.
Check inserts by *AseI*/*PacI* digestion

Clones



Pool DNA from each 96-well plate into groups of 5 (400 clones per pool)

PCA amply pooled ORFs

Excess ORFs with Pac1 / Acl1

"Clone" OFFs as Linear Expression Elements (LEEs)

Subdom into genetic
structuralization vector

Shoot in LEE DNA
with gene gun

Merged
plasmid DNA



FIG. 8